

A company of Hoechst and Schering, Berlin

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Issue Date: 01/23/95
Supersedes: None**FINALE READY-TO-USE WEED AND GRASS KILLER****SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645COMPANY CONTACT: *Regulatory Dept.*
TELEPHONE NUMBER: *(800)438-5837***EMERGENCY TELEPHONE NUMBER**
*(800)228-5635 ext.202*PRODUCT NAME: **FINALE READY-TO-USE WEED AND GRASS KILLER**
PRODUCT CODE: *F30615011*
CHEMICAL FAMILY: *Mixture*
CHEMICAL FORMULA: *Mixture*
EPA REGISTRY NUMBER: *45639-192-10370*
MSDS IDENTIFICATION CODE/NUMBER: *F30615011***SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION PERCENT BY WEIGHT
Glufosinate-ammonium CAS NUMBER: 77182-82-2	None established	= 1.0
Inert Ingredients	None established	= 99.0

SECTION 3. HAZARDS IDENTIFICATION***** **EMERGENCY OVERVIEW** *****
Health: Causes eye irritation. Harmful if swallowed, inhaled or
absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid
breathing vapor or spray mist. Wash thoroughly with soap and water after
handling.
*******POTENTIAL HEALTH EFFECTS****PRIMARY ROUTE(S) OF ENTRY***Skin absorption and vapor & spray mist inhalation.***EYES***Direct contact causes mild eye irritation.***SKIN***A slight skin irritant.***SIGNS AND SYMPTOMS***Central nervous system stimulation leading to tremors and convulsions occurs
in lethally dosed rats. Phenobarbital was an effective therapeutic agent to
counteract these CNS effects.*

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SECTION 4. FIRST AID MEASURES

EYES

Flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN

Wash with plenty of soap and water. Get medical attention if irritation persists.

INGESTION

Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting in or give anything by mouth to an unconscious person.

INHALATION

Remove individual to fresh air. Get medical attention if breathing difficulty develops.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

SMALL FIRE: Dry chemical or carbon dioxide.

LARGE FIRE: Foam or water - move containers from fire area if without risk. Cool containers with water from maximum distance.

FIRE FIGHTING INSTRUCTIONS

Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Do not touch spilled material. Take up with sand, earth or other non-combustible absorbent material or dike for later disposal. Avoid flame or sparks. Please refer to Section 13 for proper waste disposal procedure.

SECTION 7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Causes eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

STORAGE PRECAUTIONS

Do not contaminate water, food or feed by storage or disposal. Do not use or store near heat or open flame. Store this product in its original container. Do not put concentrate or diluted product into food or drink containers. Store product in a secure storage area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Handle only in ventilated areas.

EYE/FACE PROTECTION

Goggles, face shield or safety glasses. (For normal use by end users).

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Blue to bluish-green liquid.

ODOR

Ether-like.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: *Liquid*

pH: *4.4*

DENSITY: *1.0076 g/cm³ at 20°C (68°F).*

SECTION 10. STABILITY AND REACTIVITY

STABILITY: *Stable*

HAZAROOUS POLYMERIZATION: *Will not occur.*

SECTION 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS

A mild eye irritant.

SKIN EFFECTS

Irritation: *Slightly irritating*

Absorption: *LD50 > 4,000 mg/kg*

ACUTE ORAL EFFECTS

LD50 > 5,000 mg/kg

ACUTE INHALATION EFFECTS

4-Hour LC50 > 4 mg/L

-Hour equivalent LC50 > 16 mg/L (for DOT purposes)

CHRONIC (CANCER INFORMATION)

This product contains glufosinate-ammonium as the herbicidal active ingredient. Chronic exposure to glufosinate-ammonium produced an adaptive increase in kidney weight in several animal species. There was no observable change in kidney function as a result of these weight changes. There were no changes in tumor incidence after lifetime exposure to glufosinate-ammonium in rats and mice.

CARCINOGENICITY: *NTP: No IARC: No OSHA: No*

TERATOGENICITY (BIRTH DEFECTS)

Glufosinate-ammonium, when administered to pregnant animals, produced no adverse effects on fetuses at doses which were not toxic to the mothers.

MUTAGENICITY (GENETIC EFFECTS)

No mutagenic activity was detected in a battery of mutagenicity tests.

MISCELLANEOUS TOXICOLOGICAL INFORMATION

The above toxicological data and information is directly from the supplier of this material.

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SECTION 12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

SECTION 13. DISPOSAL CONSIDERATIONS

Product Disposal: *Partially filled bottle may be disposed of by securely wrapping original container in several layers of newspaper and discarding in trash. In case of spill or leak, soak up with paper towels and discard in trash.*

Container Disposal: *Do not reuse empty bottle. Rinse thoroughly and wrap in several layers of newspaper before discarding in trash.*

SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: *Not DOT Regulated*

SECTION 15. REGULATORY INFORMATION

NO DATA GIVEN

SECTION 16. OTHER INFORMATION

NFPA HAZARD RATING - HEALTH: 1 Slight
- **FIRE:** 1 Slight
- **REACTIVITY:** 0 Negligible
- **SPECIAL:**

HMIS HAZARD RATING - HEALTH: 1 Slight
- **FIRE:** 1 Slight
- **REACTIVITY:** 0 Negligible
- **PROTECTION:** B

MSDS IDENTIFICATION CODE/NUMBER: F30615011

PREPARED BY: Regulatory Department **PHONE:** (800)438-5837

DATE AND TIME OF PRINTING: 06/26/95 09:34:26

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Buyer assumes all responsibility for safety and use, not in accordance with directions.